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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/943,194	08/30/2001	Young-Gyu Ryu	678-603 (P9456)	8499
28249	7590	05/16/2005	EXAMINER	
DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD. UNIONDALE, NY 11553			GOLD, AVI M	
			ART UNIT	PAPER NUMBER
			2157	

DATE MAILED: 05/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/943,194

Applicant(s)

RYU ET AL.

Examiner

Avi Gold

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 February 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 8-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 8-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 February 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The amendment received on February 18, 2005 has been entered and fully considered.

Claims 1-7 were cancelled.

Claims 8-13 were newly added.

Response to Amendment

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Mouko et al., U.S. Patent No. 6,678,732.

Mouko teaches the invention as claimed including a dynamic host configuration protocol (DHCP) server, which dynamically allocates IP addresses to client devices, to which host names are given, connected to a Transmission Control Protocol/Internet Protocol (TCP/IP) network, and an IP address allocating method using the same (see abstract).

Regarding claim 8, Mouko teaches a method for using an IP address on a LAN including a router and a LAN device, performed in the router, comprising:

upon receipt of a unique IP address request from the LAN device, allocating a non-used unique IP from a dynamic unique IP address pool having a plurality of unique IP addresses to the LAN device, and storing the allocated unique IP address corresponding to a LAN IP address of the LAN device in a unique IP address allocation table (col. 2, lines 33-37, Mouko discloses a client on LAN needing a unique IP address, col. 2, lines 27-29, Mouko discloses unique IP addresses from a DHCP server, col. 2, lines 39-45, Mouko discloses a client broadcasting IP address lease information which is responded to by the DHCP server);

upon receipt of a packet from the LAN device, determining whether the origination party's IP address of the packet is registered in the unique IP address allocation table (col. 2, lines 53-58, Mouko discloses the host management database checking to see if a host name is registered);

when the origination party's IP address is not registered in the unique IP address allocation table, changing the origination party's IP address of the packet to a unique IP address of the router to transmit it to the Internet (col. 2, lines 39-40, Mouko discloses the client broadcasting its IP address);

when the origination party's IP address is registered in the unique IP address allocation table, changing the origination party's IP address of the packet to a unique IP address corresponding to the origination party's IP address, to transmit it to the Internet (col. 2, lines 27-64); and

when the allocated unique IP address is returned from the LAN device, adding the allocated unique IP address returned from the LAN device to the dynamic unique IP address pool, and deleting the returned unique IP address and its corresponding LAN IP address in the unique IP address allocation table (col. 2, lines 27-64).

Regarding claim 9, Mouko teaches the method as claimed in claim 8, further comprising:

upon receipt of a packet from the Internet, determining whether the received IP address of the packet is registered in the unique IP address allocation table (col. 2, lines 53-58);

when the received IP address is not registered in the unique IP address allocation table, changing the received IP address of the packet to a LAN IP address which is an origination party's IP address having been changed to the unique IP address of the router, to transmit it to the LAN device (col. 2, lines 39-40);

when the received IP address is registered in the unique IP address allocation table, changing the received IP address of the packet to a LAN IP address corresponding to the received IP address, to transmit it to the LAN device (col. 2, lines 27-64).

Regarding claim 10, Mouko teaches a system for using an IP address on a LAN comprising:

a LAN device, connected to a router, for sending a request for a unique IP address allocation to the router, when an Internet application is started and it is determined that it is necessary to use a unique IP address, performing the application after receiving an allocated unique IP address from the router, transmitting to the router a packet to be transmitted to the Internet by using an origination party's IP address as its own LAN IP address, and returning the allocated unique IP address to the router after using the allocated unique IP address; and

the router, connected to the LAN device, for receiving the request for the unique IP address from the LAN device and allocating a non-used unique IP address of a plurality of unique IP address to the LAN device;

wherein a packet received from a LAN device which is not allocated the unique IP address is transmitted to the Internet changing the origination party's IP address to a unique IP address of the router, and a packet received from a LAN device which is allocated the unique IP address is transmitted to the Internet changing the origination party's IP address to the allocated unique IP address (col. 2, lines 27-64).

Regarding claim 11, Mouko teaches the system as claimed in claim 10, wherein when the received IP address receives a packet being the allocated unique IP address from the Internet, said router changes the received IP address of the packet to a LAN IP address corresponding to the allocated unique IP address to transmit it to the LAN device (col. 2, lines 39-45).

Regarding claim 12, Mouko teaches the system as claimed in claim 10, wherein said LAN device informs the allocated unique IP address, then it is necessary for an application performed in the LAN device to inform the other party of its own IP address (col. 2, lines 39-40).

Regarding claim 13, Mouko teaches the system as claimed in claim 11, wherein said LAN device informs the allocated unique IP address, when it is necessary for an application performed in the LAN device to inform the other party of its own IP address (col. 2, lines 39-40).

Response to Arguments

3. Applicant's arguments with respect to claims 8-13 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,684,243 to Euget et al.

U.S. Pat. No. 5,790,548 to Sistanizadeh et al.

U.S. Pat. No. 6,763,012 to Lord et al.

U.S. Pat. No. 5,159,592 to Perkins et al.

U.S. Pat. No. 6,456,625 to Itoi et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Avi Gold whose telephone number is 571-272-4002.

The examiner can normally be reached on M-F 8:00-5:30 (1st Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

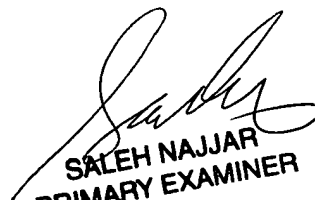
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Avi Gold

Patent Examiner

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AMG



SALEH NAJJAR
PRIMARY EXAMINER